MSS Management Agent Service Object Model Change Request

Rationale for Changes:

The changes requested are a result of more functionalities requested on the subagent.

1. Transfer logging and filtering MSS events from the subagent to the actually application/program/process through EcAgManager.

2. Provide application event logging through EcAgManager.

3. Move some process performance metric monitoring from the subagent to the managed process.

4. Be able to save configuration changes made to a performance or a configuration metric.

5. Use EcTypes naming standards.

External Object Classes *Changed* in Current Model:

⟨ EcAgManager

⟨ EcAgEvent

⟨ EcAgMetric

⟨ EcAgPerfMetric

⟨ EcAgHostInfo

⟨ EcAgTuple

⟨ EcAgException

External Object Classes *Added* to Current Model:

⟨ EcAgConfigFile

Brief Description of Changes and Additions to External Classes:

1. EcAgManager class (modified)

⟨ attributes and operations were added to support logging both MSS events and application events.

⟨ attributes and operations were added to support reading and writing configuration and performance metrics from an EcAgConfigFile.

⟨ attributes and operations were added to support handling process-level performance metrics that are common to all managed processes.

2. EcAgEvent class (modified)

⟨ operations were added to support streaming this object into a CSS logger object.

⟨ added subsystem as a mandatory field in EcAgEvent's constructor.

3. EcAgMetric class (modified)

⟨ attribute and operations were added to support comparing and identifiying EcAgMetric types easily.

4. EcAgPerfMetric class (modified)

⟨ operations were added to support streaming this object into a CSS logger object.

5. EcAgHostInfo class (modified)

⟨ operations were added to support streaming this object into a CSS logger object.

6. EcAgTuple class (modified)

⟨ operations were added to support streaming this object into a CSS logger object.

7. EcAgException class (modified)

⟨ Changed types to EcTypes standard.

8. EcAgConfigFile class (New)

⟨ operations provide a multi-access safe methods of writing and reading to/from the configuration files.

⟨ items in the configuration files are formatted such that it easily fits into how we use metrics.